IN THE CLAIMS

Please amend the claims as follows:

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(original) An electronic circuit topology (1) for driving a predominantly capacitive load (2), where a pulsed electrical power supply is used, with a primary circuit with several components, a secondary circuit with or connected to a predominantly capacitive load (2), and a transformer device (4) with a primary side (TX1a) and a secondary side (TX1b), connecting the primary circuit with the secondary circuit, the primary circuit components comprise: a source device (3) supplying power via the transformer device (4) for operating the predominantly capacitive load (2), - a drain device (5) for absorbing at least a part of said power, which is reflected back from the predominantly capacitive load (2) during operation, and - a switching device (6) for switching a current on the primary side, - the transformer device (4) is of a transformer type with a gap for transforming an input voltage-current-signal on the primary side (TX1a) to a suitable output voltage-current-signal for supplying the predominantly capacitive load (2) on the secondary side (TX1b), wherein the source device (3) is in serial connection with the transformer device (4), the drain device (5), and the switching device (6), whereby the transformer device (4) being connected to the predominantly capacitive load (2) comprises

the predominantly capacitive load (2) comprises means for functioning as a resonant tank circuit, as a transformer device (4) in forward mode, and as a transformer device (4) in flyback mode, so that a single-ended forward-flyback circuit for driving predominantly capacitive loads (2) with pulse-shaped wave forms is achieved.

2. (original) Electronic circuit topology (1) according to claim 1, wherein the means comprises at least one transformer unit (TX1) selected from the group of real transformers and at least one second inductive unit (L2) on the secondary side (TX1b), whereby the second inductive unit (L2) can be represented by the leakage induction of the real transformer, so that a resonant tank circuit is achieved.

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- 3. (currently amended) Electronic circuit topology (1) according to claims 1 or 2claim 1, wherein the second inductive unit (L2) on the second side (TX1b) of the transformer device (4) is connected in series with the predominantly capacitive load (2), so that the transformer devices leakage induction on the second side (TX1b) of the transformer device (4) makes up a series resonant tank circuit with the capacitance of the predominantly capacitive load (2) and the cabling.
- 4. (currently amended) Electronic circuit topology (1) according to one of the prior claims 1 to 3claim 1, wherein a first inductive unit (L1) located on the primary side (TX1a) is parallel to the transformer unit (TX1), whereby the first inductive unit (L1) is realized by the air gap of said real transformer.
- 5. (currently amended) Electronic circuit topology (1) according to one of the prior claims 1 to 4claim 1, wherein the primary side (TX1a) of the transformer device (4) is connected in series with the source device (3), the drain device (5) and/or the switching device (6).

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- 6. (currently amended) Electronic circuit topology (1) according to one of the prior claims 1 to 5claim 1, wherein the drain device (5) comprises a power absorber unit (V2), a capacitance unit (C1), and a diode (D1) for returning power to the supply device (3) via an external down-converter.
- 7. (currently amended) Electronic circuit topology (1) according to one of the prior claims 1 to 6claim 1, wherein the switching device (6) comprises a control unit (V3) for generating a pulse-shaped signal, a switching unit (S1) for switching the current flowing through the primary side (TX1a) of the transformer device (4) and a diode unit (D2).
- 8. (currently amended) Electronic circuit topology (1) according to one of the prior claims 1 to 7claim 1, wherein the diode (D2) is parallel to the switching unit (S1).
- 9. (currently amended) Electronic circuit topology (1) according to one of the prior claims 1 to 8claim 1, wherein the predominantly capacitive load (2) is realized by at least one gas discharge lamp based on a dielectric barrier discharge lamp (La1) for generating light waves, preferably UV-light waves.

10. (currently amended) Electronic circuit topology (1) according to ene of the prior claims 1 to 9claim 1, wherein the dielectric discharge lamp (La1) has a power being preferably in the range from > 0 W to ≤ 20,000 W, more preferably from ≥ 500 W to ≤ 10,000 W, and most preferably from ≥ 1,000 W to ≤ 5,000 W, most preferably the power is about 3,000 W and the discharge lamp produces light having a wave length preferably being in the range from ≥ 100 nm to ≤ 380 nm, more preferably from ≥ 180 nm to ≤ 320 nm, and most preferably from ≥ 200 nm to ≤ 300 nm.